

**AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) A hematocrit sensor comprising:
  - a blood circuit having two ends;
  - ~~a sensor that measures hematocrit values and is connected to said blood circuit;~~
  - a blood purifier connected ~~in the middle of~~ to said blood circuit between said two ends  
~~that purifies and configured to purify blood [[while]]~~ that is being circulated extracorporeally  
circulating in said blood circuit; and
  - a sensor connected to said blood circuit and configured to measure hematocrit values, the  
sensor including
    - a housing connected to a portion of said blood circuit, [[;]]
    - a slot ~~built in~~ provided with said housing,
    - one of a slit or a plurality of pores ~~built~~ included in said slot of said housing, [[;]]
  - and
  - a light emission [[means]] device and a single light reception ~~means built in~~  
device provided with said housing such that both said light emission device and said  
single light reception device ~~means~~ face said blood circuit through either said slit or said  
plurality of pores, respectively.
2. (Currently Amended) The hematocrit sensor of claim 1, further comprising a cover  
~~fixed to~~ provided at said housing, which [[ that]] covers said slot when said cover is closed.

4. (Currently Amended) The hematocrit sensor of claim 2, further comprising a holding ~~means that holds~~ device configured to hold the cover in place when the slot is covered.

6. (Currently Amended) The hematocrit sensor of claim 1, wherein said blood purifier ~~performs~~ configured to perform dialysis treatment.

8. (Original) The hematocrit sensor of claim 1, further comprising a drip chamber connected to said blood circuit.

9. (Currently Amended) The hematocrit sensor of claim 8, wherein said hematocrit sensor is provided with a fixing means is integrally formed with device at said housing of said sensor to fix said drip chamber and said housing.

10. (Currently Amended) The hematocrit sensor of claim 1, further comprising an air bubble detector provided with said housing of said sensor and connected to said blood circuit ~~and built in said housing.~~

11. (Currently Amended) The hematocrit sensor of claim 1, further comprising a blood detector connected to said blood circuit, ~~wherein said blood detector detects the~~ and configured to detect a presence of blood in said blood circuit.

12. (Original) The hematocrit sensor of claim 1, wherein said slit has an adjustable width.

13. (Currently Amended) The hematocrit sensor of claim 1, wherein at least one of said plurality of pores has an adjustable diameter.

14. (Currently Amended) A method of measuring hematocrit values ~~using the hematocrit sensor of claim 1,~~ comprising:

providing a sensor connected to a blood circuit, said sensor having a slot with either a slit or a plurality of pores, and said sensor including a light emission device and a single light



18. (Currently Amended) The method of claim 14, further comprising:

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